### PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY								
To: ADRIANE M. ANTLER JONES DAY 222 EAST 41ST STREET	WDI	PCT						
NEW YORK, NY 10017-6702		WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY						
		(PCT Rule 43bis.1)						
	Date of mailing (day/month/year)	23 NOV 2005						
Applicant's or agent's file reference		FOR FURTHER ACTION See paragraph 2 below						
9301-251-228 International application No. Internation	al filing date (day/month/year)	(day/month/year) Priority date (day/month/year)						
		05 March 2004 (05.03.2004)						
International Patent Classification (IPC) or both natio		03 March 2004 (03.03.2004)						
IPC(7): C12Q 1/68 and US C1.: 435/6	•							
Applicant								
ROSETTA INPHARMATICS LLC								
This opinion contains indications relating to the formula to								
Box No. I Basis of the opinion  Box No. II Priority								
Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability								
Box No. IV Lack of unity of invention								
Box No. V  Reasoned statement under Rule 43 bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement								
Box No. VI Certain documents cited								
Box No. VII Certain defects in the international application								
Box No. VIII Certain observations on t	Box No. VIII Certain observations on the international application							
2. FURTHER ACTION								
If a demand for international preliminary examin International Preliminary Examining Authority Authority other than this one to be the IPEA and that written opinions of this International Searchin	("IPEA") except that this does no the chosen IPEA has notified the I	ot apply where the applicant chooses an international Bureau under Rule 66.1bis(b)						
If this opinion is, as provided above, considered IPEA a written reply together, where appropriate, of Form PCT/ISA/220 or before the expiration of	with amendments, before the expira	ation of 3 months from the date of mailing						
For further options, see Form PCT/ISA/220.								
3. For further details, see notes to Form PCT/ISA/220	<b>)</b> .							
Mail Stop PCT, Attn: ISA/US		uthorized officet James Mariall						
Commissioner for Patents 24 P.O. Box 1450	September 2005 (24.09.2005)	ames Martinell						
Alexandria, Virginia 22313-1450 Facsimile No. (571) 273-3201	Те	elephone No. (571) 272-0719						

Form PCT/ISA/237 (cover sheet) (April 2005)

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## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/US05/07894

	regard to the language, this opinion h				
	the international application in the language in which it was filed				
	a translation of the international app international search (Rules 12.3(a) a	lication into, which is the language of a translation furnished for the purposes of a decision of the purposes of a decision furnished for the decision furnished for the decision furnished furnished for the decision furnished furnish			
2. With inven	regard to any nucleotide and/or amin ation, this opinion has been established	no acid sequence disclosed in the international application and necessary to the claim if on the basis of:			
a.	type of material				
	a sequence listing.	•			
	table(s) related to the sequence	e listing			
b.	format of material				
	on paper	K.			
	in electronic form	1. P. C.			
•	in electronic form	· ·			
c.	time of filing/furnishing				
	contained in the international	appliantian on filed			
	filed together with the interna	tional application in electronic form.			
	furnished subsequently to this	A uthority for the mumore of accept			
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## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/US05/07894

The questions whether th industrially applicable ha			to involve an inventive step (	to be non-obvious), or to be
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the entire internation		<b>`</b> .		
claims Nos. <u>12-32</u>	and 42-87	··. ·		
because:		•		
the said internation	al application, or	r the said claim Nos.	relate to the following su	bject matter which does not require
an international se				•
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	•	• •		
		•		
the description, cla			nents below) or said claims N	os. 12-32 and 42-87 are so unclear t
Claims 12-32 and 4	12-87 refer to one	e or more Tables in the s	pecification and so do not cor	nply with PCT Rule 6.2(a).
	• • •			
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	· ¿			
the claims, or said formed (specify):	claims Nos	are so inadequately su	pported by the description the	at no meaningful opinion could be
		•		
		•		
•		• •		
no international se	arch report has b	een established for said	elaims Nos	
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prescribed time l	imit:			
Administr		ons, and such listing v		vided for in Annex C of the ernational Searching Authority
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pay the re		nishing fee for the fur		ng in response to an invitation
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			equence listing, if in electr C-bis of the Administrativ	onic form only, do not comply e Instructions.
See Supplemental	Box for furthe	r details.		
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Form PCT/ISA/237 (Box No. III) (April 2005

## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US05/07894

Box No. V Reasoned statement under Rule 43 bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

Claims	NONE	YES
· · · Claims	1-11 and 33-41	NO
Claims	NONE	YES
Claims	1-11 and 33-41	NO
Claims	1-11 and 33-41	YES
· · Claims	NONE	NO
	Claims Claims Claims Claims	Claims NONE Claims 1-11 and 33-41 Claims 1-11 and 33-41

### 2. Citations and explanations:

Claims 1-11 and 33-41 lack novelty under PCT Article 33(2) as being anticipated by either one of van't Veer et al (Nature 415: 530 (2002)) or Rosetta Inpharmatics Inc. (WO 02/103320 A2 (27.December 2002)). Each of the references teaches the correlation of breast cancer with the gene BRCA1 and fürther uses statistical tools to refine prognoses and treatment options by classifying patients according to gene expression patterns correlated with BRCA4 expression. Thus, the claims embrace the methods of either reference.

Claims 1-11 and 33-41 meet the criteria set out in PCT Article 33(4), and thus have industrial applicability because the subject matter claimed can be made or used in industry.



### NOTESTO FORM PCT/ISA/220

These Notes are intended to give the basic instructions concerning the filing of amendments under Article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

In these Notes, "Article," "Rule" and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions, respectively.

### INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international publication. Furthermore, it should be emphasized that provisional protection is available in some States only.

### What parts of the international application may be amended?

Under Article 19, only the claims may be amended

During the international phase, the claims may also be amended (or further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Preliminary Examining Authority

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

When? Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

### Where not to sile the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been/is filed, see below.

How? Either by cancelling one or more entire claims. For adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

### What documents must/may accompany the amendments?

### Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is French, the letter must be in French.

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